

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_6 ~ SR2MRX-XT20LE1-XD2FXXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00544_6
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/20/2017
[UPDATE] 4/19/2017
[LUMCAT] SR2MRx-XT20L-E1-xD2F-xxK-MD-MW-SO
[LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Medium Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 35.3 Degree Beam Angle
[LAMP] N/A
[LAMPCAT] N/A, Min. 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] For New Construction Non-IC Housing: SR2MO-XT-series
[OTHER] For Remodel/Retrofit Housing: SR2MR-XT-Series
[OTHER] For RD2F or SD2F Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1741
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.62
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.24 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	26582	29106	34369
55	8953	10196	11870
65	5925	6619	8719
75	3584	3063	3356
85	4278	6449	3872

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3683.578	3683.578	3683.578	3683.578	3683.578
5	3522.365	3517.300	3514.547	3531.140	3526.887
10	3019.291	3009.248	3014.399	3027.069	3034.709
15	2242.622	2239.673	2254.665	2277.811	2292.602
20	1493.271	1493.834	1515.428	1546.222	1561.202
25	951.212	955.712	971.099	997.771	1012.796
30	572.942	579.615	593.342	615.003	625.516
35	313.542	316.016	326.162	344.972	356.144
40	155.642	155.165	164.535	180.431	189.139
45	75.812	77.964	83.009	93.135	98.020
50	38.977	38.839	41.007	47.961	52.662
55	20.711	23.537	23.587	27.493	27.460
60	15.528	16.853	18.751	20.275	20.568
65	10.099	11.337	11.283	13.343	14.862
70	6.736	5.734	6.534	7.989	8.614
75	3.741	2.693	3.197	3.247	3.503
80	1.987	1.514	2.047	1.437	2.232
85	1.504	1.425	2.267	1.630	1.361
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	944.89	N.A.	54.30
0-30	1405.93	N.A.	80.80
0-40	1625.68	N.A.	93.40
0-60	1723.37	N.A.	99.00
0-80	1739.63	N.A.	99.90
0-90	1741.03	N.A.	100.00
10-90	1420.89	N.A.	81.60
20-40	680.79	N.A.	39.10
20-50	753.70	N.A.	43.30
40-70	109.97	N.A.	6.30
60-80	16.26	N.A.	0.90
70-80	3.99	N.A.	0.20
80-90	1.40	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1741.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	320.14
10-20	624.74
20-30	461.04
30-40	219.74
40-50	72.91
50-60	24.78
60-70	12.27
70-80	3.99
80-90	1.40
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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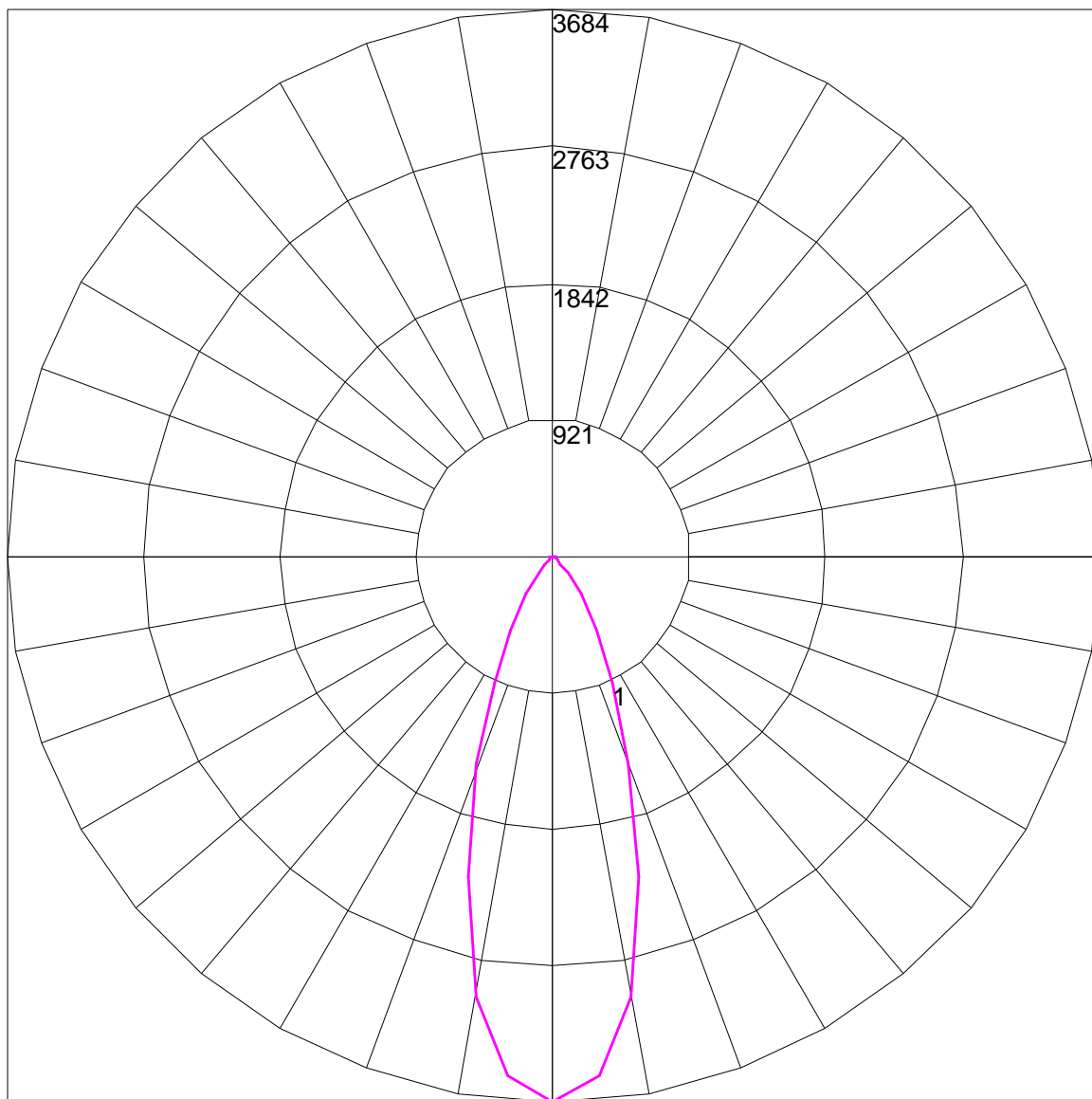
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	79	75	72	71
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59

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POLAR GRAPH



Maximum Candela = 3683.578 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)